

PCT

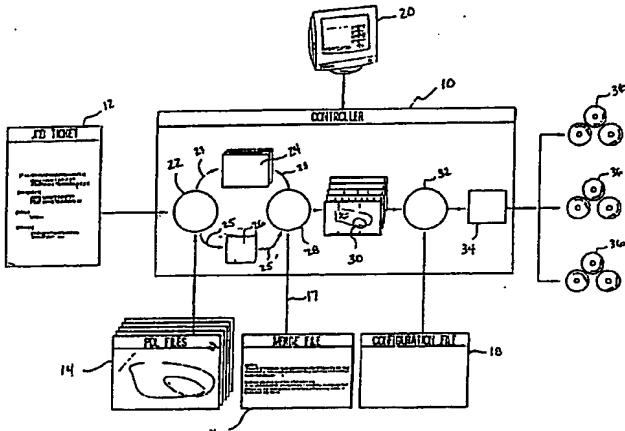
WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : G06F 17/21, G06K 15/00	A3	(11) International Publication Number: WO 00/28435 (43) International Publication Date: 18 May 2000 (18.05.00)
(21) International Application Number: PCT/US99/26440		(81) Designated States: CA, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).
(22) International Filing Date: 9 November 1999 (09.11.99)		
(30) Priority Data: 60/107,583 9 November 1998 (09.11.98) US		Published <i>With international search report.</i>
(71) Applicant: VARIS CORPORATION [US/US]; 7500 Innovation Way, Mason, OH 45040 (US).		(88) Date of publication of the international search report: 5 October 2000 (05.10.00)
(72) Inventor: WALKER, James, R.; 3151 Madiera Lane #8, Maineville, OH 45039 (US).		
(74) Agents: LEVY, Mark, P. et al.; Thompson, Hine & Flory LLP, 2000 Courthouse Plaza NE, P.O. Box 8801, Dayton, OH 45401-8801 (US).		

(54) Title: METHOD AND SYSTEM FOR DYNAMIC FLOWING DATA TO AN ARBITRARY PATH DEFINED BY A PAGE DESCRIPTION LANGUAGE



(57) Abstract

A method of associating a particular path defined in a page description language specification with a plurality of special attributes. The method comprises the steps of monitoring a first text string defined by a first page description language text command in the specification for a first special character or a first special string of characters, the first special character or the first special string of characters being indicative of a first special attribute; monitoring a second text string defined by a second page description language text command in the specification for a second special character or a second special string of characters, the second special character or the second special string of characters being indicative of a second special attribute; responsive to a detection of the first special character or the first string of characters in the first text string, identifying a path defined by a page description language path command and having a predetermined relationship with the first text command in the specification as the particular path associated with the first special attribute; and responsive to a detection of the second special character or the second special string of characters in the second text string, identifying the path defined by the page description language path command and having a predetermined relationship with the second text command in the specification as the particular path associated with the second special attribute.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav Republic of Macedonia	TM	Turkmenistan
BF	Burkina Faso	GR	Greece	ML	Malta	TR	Turkey
BG	Bulgaria	HU	Hungary	MN	Mongolia	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MR	Mauritania	UA	Ukraine
BR	Brazil	IL	Israel	MW	Malawi	UG	Uganda
BY	Belarus	IS	Iceland	MX	Mexico	US	United States of America
CA	Canada	IT	Italy	NE	Niger	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NL	Netherlands	VN	Viet Nam
CG	Congo	KE	Kenya	NO	Norway	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NZ	New Zealand	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's Republic of Korea	PL	Poland		
CM	Cameroon	KR	Republic of Korea	PT	Portugal		
CN	China	KZ	Kazakhstan	RO	Romania		
CU	Cuba	LC	Saint Lucia	RU	Russian Federation		
CZ	Czech Republic	LI	Liechtenstein	SD	Sudan		
DE	Germany	LK	Sri Lanka	SE	Sweden		
DK	Denmark	LR	Liberia	SG	Singapore		
EE	Estonia						

INTERNATIONAL SEARCH REPORT

Int'l. Appl. No.
PCT/US 99/26440

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F17/21 G06K15/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06F G06K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ, IBM-TDB, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 729 665 A (GAUTHIER) 17 March 1998 (1998-03-17) cited in the application the whole document ---	1-15
A	EP 0 837 401 A (SCITEX DIGITAL PRINTING, INC.) 22 April 1998 (1998-04-22) column 5, line 43 -column 7, line 57 ---	1-15
A	US 5 594 860 A (GAUTHIER) 14 January 1997 (1997-01-14) cited in the application ---	
A	US 5 796 930 A (GAUTHIER ET AL) 18 August 1998 (1998-08-18) cited in the application ---	
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
28 June 2000	05/07/2000
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Abram, R

INTERNATIONAL SEARCH REPORTInt'l Application No
PCT/US 99/26440**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	"Identifying and Optimizing PostScript Data" IBM TECHNICAL DISCLOSURE BULLETIN, vol. 40, no. 09, September 1997 (1997-09), pages 24-24, XP000735640 Armonk, NY, US the whole document	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No	
PCT/US 99/26440	

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
US 5729665 A	17-03-1998	AU	4749996 A		07-08-1996
		CA	2210405 A		25-07-1996
		EP	0804766 A		05-11-1997
		WO	9622573 A		25-07-1996
		US	5937153 A		10-08-1999
EP 837401 A	22-04-1998	CA	2215094 A		16-04-1998
US 5594860 A	14-01-1997	AU	4768196 A		21-08-1996
		WO	9624110 A		08-08-1996
US 5796930 A	18-08-1998	AU	1272397 A		05-06-1997
		AU	7681896 A		05-06-1997
		EP	0954789 A		10-11-1999
		WO	9718513 A		22-05-1997
		WO	9718514 A		22-05-1997
		US	5740338 A		14-04-1998

